

ABSTRACT OF THE DISCLOSURE

An electromagnetic electroacoustic transducer,
includes: a diaphragm; a magnet; an electromagnetic coil; and
5 a casing for storing the diaphragm, the magnet and the
electromagnetic coil therein. The case has at least one first
soundemittingholethroughwhich a front space on a front surface
of the diaphragm in the casing communicates with a front outer
space in front of the casing and at least one second soundemitting
10 hole through which a rear space on a rear surface of the diaphragm
in the casing communicates with the front outer space in front
of the casing. A resonant frequency $Fv2$ of the rear space is
set at a value in the range: $F0 < Fv2 \leq Fv1$ in which $F0$ is a
resonant frequency of the diaphragm, and $Fv1$ is a resonant
15 frequency of the front space.